

Changes in the mechanical strength... S/069/62/024/005/002/010  
B107/B186

time is not monotonic, being dependent on the interaction of the various effects due to swelling, extraction of the plasticizer and chemical nature of the low-molecular liquids. The results indicate that polyvinyl chloride of the stated composition should not be used in a medium containing concentrated nitric acid. There is 1 figure. ✓

ASSOCIATION: Kazanskiy inzhenerno-stroitel'nyy institut, Kafedra khimii (Kazan' Construction Engineering Institute, Department of Chemistry). Kazanskiy institut organicheskoy khimii, Laboratoriya polimerov (Kazan' Institute for Organic Chemistry, Polymer Laboratory)

SUBMITTED: August 20, 1961

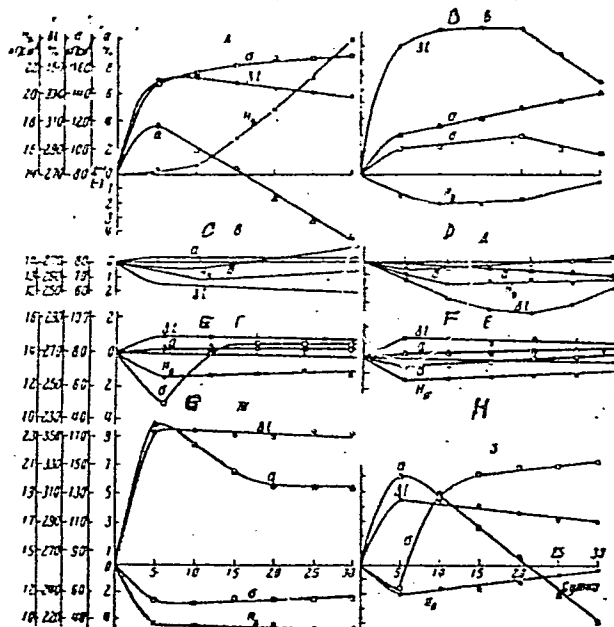
Fig. Changes in the weight and properties of polyvinyl chloride on treatment with  $\text{HNO}_3$  (A),  $\text{CH}_3\text{COOH}$  (B),  $\text{H}_2\text{SO}_4$  (C),  $\text{H}_2\text{O}_2$  (D),  $\text{NaOH}$  (E),  $\text{H}_2\text{O}$  (F), benzene (G), gasoline (H).

Legend: a - change in weight of the sample;  $\delta$  - tensile strength;  $\Delta l$  - relative elongation;  $H_B$  - hardness.

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Changes in the mechanical strength...

5/069/62/024/005/002/010  
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Card 3/3

VOSKRESENSKIY, V.A.; SHAKIRZYANOVA, S.S.

Effect of the plasticization of polymers in dependence on the  
chemical nature and structure of plasticizers. Zhur.prikl.khim.  
35 no.1:217-221 Ja '62. (MIRA 15:1)  
(Polymers) (Plasticizers)

VOSKRESENSKIY, V.A.; SHAKIRZYANOVA, S.S.

Characteristics of the action of small and largest permissible  
quantities of monomeric plasticizers on poly (vinyl chloride).  
Zhur.prikl.khim. 35 no.5:1145-1147 My 62. (MIRA 15:5)  
(Vinyl compound polymers)  
(Plasticizers)

VOSKRESENSKIY, V.A.; SHAKIRZYANOVA, S.S.

Increased strength of polyvinyl chloride in the presence of a small amount of plasticizers added. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.4:643-646 '63. (MIRA 17:2)

1. Kazanskiy inzhenerno-stroitel'nyy institut. Kafedra khimii i laboratoriya modifikatsii polimerov Instituta organicheskoy khimii AN SSSR.

L 20355-56 EWI(m)/EWP(j)/I/IC(m)-5 WA/RM  
 ACC NR: AP6012072 SOURCE CODE: UR/0069/65/027/001/0019/0023  
 AUTHOR: Voskresenskiy, V. A.—Voskresenskiy, V. A.; Shakirzyanova, S. S. 25  
 ORG: Kazan Engineering and Construction Institute (Kazanskiy inzhenerno-stroitel'nyy institut) B  
 TITLE: Some characteristic changes in the properties of concentrated polymer solutions  
 SOURCE: Kolloidnyy zhurnal, v. 27, no. 1, 1965, 19-23  
 TOPIC TAGS: polymer, polyvinyl chloride, plasticizer, thermomechanical property, solid mechanical property, hydrogen bonding  
 ABSTRACT: Experimental data are presented on the plasticization of polyvinyl chloride by organic substances of various structures and molecular sizes and shapes, viz: naphthols; biphenyl, pentachlorobiphenyl, o-tolidine; phthalic acid derivatives; cycloparaffin derivatives; oxides of tetrahydrophthalates with side radicals of various lengths; and additives having different sizes of molecules (biphenyl, p-terphenyl, phenolphthalein, naphthalene, anthracene, anthraquinone). The plasticization effect, estimated from changes in physicochemical properties, thermomechanical properties, and cold resistance, was found to be substantially dependent on the chemical structure, size, and shape of the plasticizers. An important part is played by polar and hydrogen bonds, which often cause an increase in the strength of the polymer. Orig. art. has: 3 figures and 5 tables. [JPRS]  
 SUB CODE: 07, 11, 20 / SUBM DATE: 07May63 / ORIG REF: 014 / OTH REF: 001  
 Card 1/1 vmb UDC: 539.199: 541.18 2

SHAKIS, M.B. Cand Agr Sci -- (diss) "Variety of spring vetch  
Gedryay." Kaunas, 1957. 18 pp 20 cm. (Min of Agriculture LiSSR.  
Lithuanian Agr Acad.) 100 copies (KL, 10-57, 104)

SHAKI<sup>V</sup>EV, E. Sh. (Head of Veterinary Section of the Kara-Kalpak Institute of Agriculture)

"Treatment of sheep having Avitelliane infection"

Veterinariya, vol. 39, no. 7, July 1962 p. 48



SHAKIYEV, Ye.Sh.

Treating Avitellina infection in sheep. Veterinariia 39 no.7:48-50  
Jl '62. (MIRA 18:1)

1. Zaveduyushchiy sektorom veterinarii Kara-Kalpakskogo instituta sel'skogo khozyaystva.

| COMMON ELEMENTS                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | COMMON VARIABLES INDEX |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| A                                                                                                                                                                                                                                        | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA                     | BB | CC | DD | EE | FF | GG | HH | II | JJ | KK | LL | MM | NN | OO | PP | QQ | RR | SS | TT | UU | VV | WW | XX | YY | ZZ |
| SHAKIYEVA, V.G.                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CA                                                                                                                                                                                                                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 20                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <p align="center"><b>Hydraulic binder. V. G. Shakiyeva, U.S.S.R. 68,063,<br/>Mar. 31, 1947. Sorel cement, mixed with pozzuolanic ma-<br/>terials, such as pumice or tuff, is used as a hydraulic bond-<br/>ing agent. St. Hoshch</b></p> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <p align="center">ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>                                                                                                                                                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <p align="right">E-Z SYMBOL NUMBER</p>                                                                                                                                                                                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <p align="center">ALLOYS - 10 CRYSTALS</p>                                                                                                                                                                                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <p align="center">BELLSTONE</p>                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

S/030/62/035/005/013/015  
D244/D307

AUTHORS: Voskresenskiy, V. A. and Shakizyanova, S. S.

TITLE: On the peculiarities of action of small and the maximum quantities of monomeric plasticizers on polyvinyl chloride

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 5, 1962, 1145-1147

TEXT: The authors investigated physico-mechanical properties of polyvinyl chloride compounded with the minimum and maximum amounts of monomeric plasticizers to confirm data reported previously by O. Fuchs and H. E. Frey. Dibutyl phthalate and o-tolidine were used as the plasticizers. For 100 parts by weight of polyvinyl chloride #4-4 (PF-4), 0.5 to 190 parts of dibutyl phthalate and 0.5 to 36 parts of o-tolidine were used. For the polymer plasticized with dibutyl phthalate there was no increase in brittleness of the compositions similar to that described by Fuchs et al. for other plasticizers. o-tolidine behaves abnormally in comparison

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On the peculiarities ...

S/080/62/035/005/013/015  
D244/D507

with dibutyl phthalate. Increase in the concentration of o-tolidine gave a continuous increase in the breaking strength of the polymer samples, from 550 to 900 - 915 kg/cm<sup>2</sup>, the relative initial extension increasing somewhat and then falling with further increases of o-tolidine. It was shown that o-tolidine a) is an effective plasticizer at 130°C, giving at this temperature elastic and strong films; b) on cooling to room temperature strengthens the polymeric structure by forming hydrogen bonds; c) plays a role of an effective stabilizer for polyvinyl chloride. There are 2 figures.

SUBMITTED: February 19, 1961

Card 2/2

SHAKLANOV, I. (Leningrad)

Customers should have supple and comfortable shoes. Sov. torg. 35 no.9:  
51 S '62. (MIRA 16:2)

(Leningrad—Shoe industry)

SHAKLANOV, I., kand. tekhn. nauk (Leningrad)

Footgear out of synthetic materials. Sov. torg. 36 no.8:40-  
41 Ag '63. (MIRA 16:11)

SHAKLANOV, I.G.

Elasticity norms for leather used for shoe uppers to be formed  
in one-stage lasting. Kozh.-obuv.prom. 3 no.2:33-35 F '61.  
(MIRA 14:4)

(Leather standards)

SHAKLANOV, I.G., aspirant

Determining the plasticity standards for upper leather merchandise for footwear manufactured by the single-process method. Izv.vys. ucheb.zav.; tekhn.leg.prom. no.5:87-92 '61. (MIRA 14:12)

1. Leningradskiy institut sovetskoy trgovli imeni Engel'sa.  
Rekomendovana kafedroy tovarovedeniya promyshlennykh tovarov.  
(Leather)  
(Shoe manufacture)



SHASL'NOV, I.G.; (LITVY), I.G.; FORTNOVA, G.G.

Stiffness of sole and insole leather. Kozh.-obuv. prom. 5  
no.9:16-18 8 '64. (MIR# 17.12,

SHALOMOV, V.G. [Shalimov, V.G.], kand. tekhn. nauk; SKVARNIK, V.V.  
[Skvark, V.V.], kand. tekhn. nauk; STEBLYNA, L.Z. [Steblyna,  
L.Z.].

Effect of the plastic-elastic characteristics of shoe-upper  
materials on the shape retaining properties of the system  
leather-labels. Tekh. prom. no. 7/74-78 -p 164 (1974) 12st)

SOV/118-58-12-14/17

AUTHORS: Shaklanov, I.Ye. and Tokarskiy, L.B., Engineers

TITLE: The Extraction of Salt Blocks From Lakes and Mines (Dobycha solyanykh blokov v ozerakh i shakhtakh)

PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958, Nr 12, pp 43 - 44 (USSR)

ABSTRACT: The existing method of obtaining fodder salt bricks is not economical. Research carried out by the Vsesoyuznyy nauchno-issledovatel'skiy institut solyanoy promyshlennosti - VSNII (All-Union Scientific Research Institute of the Salt Industry) has shown that the most advisable method is to use the SM-89A stone-cutting machine with a salt collecting and transporting machine of the type SBUM-2, developed by VSNII. When using the new combination of machines, labor productivity increases on the average by 7 times. There are 2 diagrams.

Card 1/1

GORBOVITSKIY, S.Ye.; SHAKLEIN, I.A.

Tuberculosis control in the Ural region. Probl.tub. no.6:9-14  
161. (MIRA 14:9)

Y. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta tuberku-  
leza Ministerstva zdravookhraneniya RSFSR (dir. - prof. I.A.  
Shaklein).

(URAL MOUNTAIN REGION---TUBERCULOSIS---PREVENTION)

SHAKLEIN, I.A., prof.; GOL'DEL'MAN, A.G.

Diagnosis and therapy of early of forms of silicotuberculosis.  
Sov.med. 25 no.4:31-34 Ap '61. (MIRA 14:6)

1. Iz Sverdlovskogo instituta tuberkuleza i Sverdlovskogo instituta  
professional'noy patologii Ministerstva zdravookhraneniya RSFSR.  
(LUNGS--DUST DISEASES) (TUBERCULOSIS)

SHANLEY, I. A.

"Value of Therapeutic Pneumoperitoneum in Pulmonary Tuberculosis Cases," Prob. Tuber.,  
No. 3, 1949. Mor., Sverdlovsk Tuberculosis Inst., -cl949-.

828. *Significance of the Lymphatic System of the Lungs in Pneumothorax Therapy.* (Значение лимфатической системы легких при лечении пневмоторакса)  
I. A. SHAKLEN. Проблемы Туберкулеза [Probl. Tuberk.] No. 1, 31-40, Jan.-Feb., 1930. 6 figs., 48 refs.

The study of the results of treatment of pulmonary tuberculosis with compression pneumothorax has definitely proved that under compression the lung very quickly loses its elasticity on account of the growth of connective tissue within it. Under compression of the lung, exchange of gases is poor, the circulation in the lymphatics is upset, and therefore the caseous foci may become active. It is essential to produce an artificial pneumothorax with negative intrapleural pressure, since this helps to preserve the respiratory movements of the lung and indirectly also assists the function of the heart. In view of this it appears important to produce an artificial pneumothorax in the early stages of tuberculosis when there are no sclerotic changes and not to continue with the artificial pneumothorax treatment for many years as is often done. Decompression to end the pneumothorax should be carried out suddenly and not gradually, in order that when active respiratory movements are restored the pleural surfaces touch each other more or less simultaneously at all points and there is therefore less likelihood of adhesion formation.

H. W. Swan

829. *Blow Abstracts of World Medicine*  
(Терелива Vol 8 1950  
неза)

SHANLEY, N. A.

"Clinical Course and Mechanism of the Action of Pneumoperitoneum During Treatment of Pulmonary Tuberculosis." Sub 4 Jun 51, First Moscow Order of Lenin Medical Inst.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 450, 2 May 56



SHAKLEYN, I.A.

Pneumoperitoneum, Artificial

Causes of failure of pneumoperitoneum in caverous pulmonary tuberculosis.  
Probl. tub. no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August <sup>1952</sup>~~1953~~, Unclassified.

SHAKLEYN, I.A.

Process of healing in the treatment of pulmonary tuberculosis with  
pneumo-peritoneum. Probl. tuberk., Moskva no. 5:37-40 Sept-Oct 1952.

(CLML 23:5)

1. Of Sverdlovsk Oblast Scientific-Research Tuberculosis Institute  
(Director -- Docent I. A. Shacklein).

STEPANYAN, E.S.; SHAKLEIN, I.A., professor [editor]; BUTKIN, N.G.[editor].

"Research on the diagnosis and treatment of tuberculosis." I.E.  
Shaklein, N.G.Butkin, editors. Reviewed by E.S.Stepanian. Probl.  
tub. no.1:74-76 Ja-F '54. (MLRA 7:3)  
(Tuberculosis)

*SHAKLEIN, I. A.*

SHAKLEIN, I.A., professor; GOL'DEL'MAN, A.G.; LIVEROVA, T.I. (Sverdlovsk)

Clinical aspects of early forms of tuberculosis in silicosis;  
preliminary report. Klin. med. 32 no.12:41-47 D '54. (MLRA 8:3)

1. Iz Sverdlovskogo oblastnogo nauchno-issledovatel'skogo insituta  
tuberkuleza (dir.-prof. I.A.Shaklein) i Sverdlovskogo instituta  
gigiyeny truda i profzabolevaniy (dir.-kandidat biol. nauk V.A.  
Mikhaylov)

(SILICOSIS, complications  
tuberc., clin. aspect)

(TUBERCULOSIS, complications  
in silicosis, clin. aspect)

SHAKLEIN, I.A., professor.

Complications in pneumoperitoneum. Probl. tub. no.5:36-39 S-0 '55.  
(MLRA 8:11)

1. Direktor Sverdlovskogo oblastnogo nauchno-issledovatel'skogo  
tuberkuleznogo instituta.  
(PNEUMOPERITONEUM, ARTIFICIAL, complications)

AL', G.E., doktor med.nauk; AMOSOV, N.M., prof.; ANTELAVA, N.V., prof.;  
BOGUSH, L.K., prof.; VOZNESENSKIY, A.N., prof.; VIL'NIANSKIY,  
L.I., kand.med.nauk; LAPINA, A.A., prof.; MASSINO, S.V., doktor  
med.nauk; MIKHAYLOV, F.A., prof.; RABUKHIN, A.Ye., prof.;  
KHRUSHCHOVA, T.N., prof.; SHAKLEIN, I.A., prof.; YABLOKOV, D.D.,  
prof.; EYNIS, V.L., prof., zasluzhennyy deyatel' nauki, otv.red.;  
KORNEV, P.G., prof., red.; KUDRYAVTSEVA, A.I., prof., red.  
[deceased]; LAPINA, A.I., red.; LEBEDEVA, Z.A., kand.med.nauk,  
red.; STRUKOV, A.I., prof., red.; SHEBANOV, F.V., prof., zasluzhennyy  
deyatel' nauki, red.toma; GRINSHPUNT, Ye.M., red.; LYUD-  
KOVSKAYA, N.I., tekhn.red.

[Multivolume manual on tuberculosis] Mnogotomnoe rukovodstvo  
po tuberkulezu. Moskva, Gos.izd-vo med.lit-ry. Vol.2. [Tuber-  
culosis of the respiratory organs] Tuberkulez organov dykhaniiia.  
Red.toma A.E.Rabukhin i F.V.Shebanov. Book 2. 1959. 408 p.  
(MIRA 13:5)

1. Chleny-korrespondenty AMN SSSR (for Antelava, Bogush, Yablokov,  
Strukov). 2. Deystvitel'nyy chlen AMN SSSR (for Kornev).  
(TUBERCULOSIS)

SHAKLEIN, I.A., prof.

Aleksandr Viktorovich Pakhomov. Probl.tub. 37 no.5:117 '59.  
(MIRA 12:10)

1. Predsedatel' Sverdlovskogo obshchestva ftiziatrov.  
(PAKHOMOV, ALEKSANDR VIKTOROVICH, 1884-)

3 00 52 EYAH - 1  
USSR/Medicine - Physiology

FD-2554

Card 1/1            Pub 17-7/23

Author            : Shakleina, L. G.

Title             : On the mechanism of digestive leucocytosis in neonates

Periodical        : Byul. eksp. biol. i med. 5, 27-28, May 1955

Abstract          : Investigated the reflex mechanism of digestive leucocytosis in neonates. Studied the leucocyte count in the blood of neonates (1st to 8th day) and changes in the leucocyte count during simulated feeding (5th. to 8th day). Tables

Institution       : Clinic of Obstetrics and Gynecology of the Novosibirsk Medical Institute (Head of Chair of Obstetrics and Gynecology - Prof A. K. Sharin) and the First Clinical Hospital (Chief Physician- P. I. Zimin)

Submitted         : July 2, 1954 by V. N. Chernigovskiy, Member of the Academy of Medical Sciences USSR



L 36338-66 EWT(m)/T/EWP(e)/EWP(t)/ETI IJP(c) JD

ACC NR: AR5015775

(A,N)

SOURCE CODE: UR/0048/66/030/005/0823/0828

AUTHOR: Shakmanov, V. V.; Spivak, G. V.

ORG: Physics Department, Moscow State University in. M.V.Lomonosov (Fizicheskoy  
fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: Observation of the domain structure of thin ferroelectric films by means of a  
transmission electron microscope /Report, Fifth All-Union Conference on Electron  
Microscopy held in Sumy 6-8 July 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 823-828

TOPIC TAGS: electron microscopy, barium titanate, ferroelectric effect, electric  
domain structure, crystal, electron microscope/UEMV-100 electron  
microscope

ABSTRACT: The ferroelectric domain structure of a barium titanate single crystal film  
was observed with a UEMV-100 electron microscope. The film was obtained by etching a  
single crystal with hot orthophosphoric acid until its thickness was 0.2-0.4 mm. The  
final stage of the etching was accomplished with the specimen floating on the surface  
of the acid. When the required thickness was reached, the specimen was lifted on a  
copper microgrid and washed with water, ethyl alcohol, and again with water. In the  
microscope the electron beam traversed the film normally to its surface and the re-  
gions with different polarizations (domains) were made evident on the image with the  
aid of an off-axis aperture. By altering the position of the aperture it was possible

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L 36338-66

ACC NR: AFG015775

to determine the direction of polarization in the different domains.  $90^\circ$  and  $180^\circ$  a-a and a-c domain walls were observed, and it was found that the domain structure disappeared when the specimen was heated above the Curie point and reappeared when it was again cooled to room temperature. The  $90^\circ$  a-a walls were stable under the influence of the electron beam; on increasing the beam density the contrast of the image first increased, but at very high beam densities the domains disappeared. Polarization reversal under the influence of the electron beam was observed. The polarization reversal was accomplished by nucleation of antiparallel domains; the nuclei arose at  $90^\circ$  walls and as the density of the electron beam was increased, the nucleated domains increased in size and moved in the direction of the opposite  $90^\circ$  a-a walls. Orig. art. has: 6 figures.

SUB CODE: 20/

SUBM DATE: 00/

ORIG REF: 002/

OTH REF: 005

Card 2/2

BERESTOV, A.V. (Head District Veterinary Doctor), BERESTOV, V.A. (Candidate of Veterinary Sciences), KLYAPISHEV, I.A., SHAKMAKOVA, V.I. and MAKAROV, N.V. (Veterinary Doctors), BARABOSHIN, S.A., BUCHINOV, I.N., LYAMIN, A.F., FEDOROV, Yu. I., and FILIMONOV, I. Ya., (Veterinary Medical Assistants, Ul'yanov Oblast', Terentul'sk District).

"Protein hydrolysates in dispepsia in newborn calves..."  
Veterinariya, vol. 39, no. 3, March 1962 pp. 71

SPIVAK, G. V.; KROKHINA, A. I.; SHAKMANOV, V. V.

"Investigation of glass structure by the method of ion bombardment etching."

report submitted for 4th All-Union Conf on Structure of Glass, Leningrad,  
16-21 Mar 64.

L 50961-65 EWT(1)/EPA(s)-2/EWT(m)/ENP(1)/T/ENP(t)/EEG(b)-2/ENP(b) Pt-7/P1-4  
LTP(3) JD/GG

ACCESSION NR: AP5011445

UR/0048/65/029/004/0626/0628

AUTHOR: Pavlyuchenko, O. P.; Spivak, G. V.; Shakmanov, V. V.

TITLE: Concerning thin films prepared by cathod sputtering of ferrites /Report,  
Second All-Union Symposium on the Physics of Thin Ferromagnetic Films held in  
Irkutsk, 10-15 July 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 4, 1965, 626-628

TOPIC TAGS: ferromagnetic thin film, ferrite, cathode sputtering

ABSTRACT: In view of the fact that cathode sputtering has been reported (G. V. Spivak, I.G.Sirotenko, and R.D.Ivanov, Izv. AN SSSR, Ser. fiz. 25, 581, 1961) to conserve the exact chemical composition of the initial material, this technique was employed to prepare films of the monoferrites  $\text{NiO} \cdot \text{Fe}_2\text{O}_3$ ,  $\text{CuO} \cdot \text{Fe}_2\text{O}_3$  and  $\text{CoO} \cdot \text{Fe}_2\text{O}_3$ . The resultant films were investigated to determine their structural and magnetic properties, which properties were then compared with those of the parent materials. Debye x-ray patterns were recorded to determine the crystal structure of the starting ferrites. The films were deposited on polished glass and on cleaved NaCl. Films of optimum thickness (300 Å) were examined in a transmis-

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L 50964-65

ACCESSION NR: AP5011445

2

sion electron microscope; in addition, electron diffraction patterns were recorded. Some of the diffraction patterns and micrographs are reproduced. The sputtering was realized in a setup with a thermal cathode providing an intense (about 3 A) discharge in xenon at a pressure of  $5 \times 10^{-3}$  torr. The specimen was connected at the third electrode. In view of their high resistance the ferrite specimens were coated on one side with silver to provide good electrical contact. Some thermal effects were noted, so that in general the film specimens were not identical in structure and parameters with the parent materials. The magnetic properties of the ferrite films were investigated in more detail by Galepov, who presented a report on the subject at the Irkutsk Symposium. Orig. art. has: 3 figures.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 00, Apr 65

ENCL: 00

SUB CODE: EM, SS

NR REF SOV: 001

OTHER: 001

Cord 2/2

LEVENSHTeyN, V.M., student III kursa; SHAKMEYSTER, L.G., dotsent kard.tekhn.  
nauk

Turbocouplings in the drive of mine conveyers. Nauch. rab. stud.  
GNSO MGI no.7:118-140 1959. (MIRA 14:5)  
(Conveying machinery--Electric driving)  
(Turbomachines)  
(Couplings)

1. Introduction

2. Results, Pt. A.

"Investigating Unsteady Equilibrating Systems from the Effect of Electric Fields." *Min Higher Education USSR*. Kiev Order of Lenin Polytechnic Inst. Dept. of Measuring Instruments. Kiev, 1955 (Dissertation for the degree of Candidate in Technical Science)

30: *Iskrennyy Kibernet* No. 27, 2 July 1955



SOBOLEVSKIY, Konstantin Mikhaylovich; SHAKOLA, Yuriy Andreyevich;  
KARANDEYEV, K.B., red.; AFONINA, G.P., red.izd-va; RAKHLINA, N.P.,  
tekhn.red.

[Protection of alternating current impedance bridges] Zashchita  
mostov peremennogo toka. Pod red. K.B.Karandeeva. Kiev, Izd-vo  
Akad.nauk USSR, 1957. 175 p. (MIRA 11:1)

1. Chlen-korrespondent AN USSR (for Karandeyev).  
(Electric instruments)

SHAKOLA, Yu.A., kand.tekhn.nauk; VOITYUK, I.P.

Digital recording system with incandescent lamps for operating  
in scaler circuits. Avtom.i prib. no.1:38-40 Ja-Mr '62.  
(MIRA 15:3)

1. Institut avtomatiki Gosplana USSR.  
(Electronic digital computers)

SHAKOLA, Yu.A., kand. tekhn. nauk

New design of an a.c. bridge for frequency measurements in  
subsonic. Avtom. i prib. no.4:57-58 O-D '63. (MIRA 16:12)

ШАКОЛ'СКАЯ, М.П.

USSR/Solid State Physics - Structure of Deformable Materials

E-8

Abs Jour : Ref Zhur - Fizika No 1, 1958, 1051

Author : Shakol'skaya, M.P., Kochnov, V.Ye.

Inst : Moscow Institute of Steel

Title : Occurrence of Wavy Slippage Lines in Silver Chloride Crystals.

Orig Pub : Dokl. AN SSSR, 1957, 113, No 5, 1061-1062

Abstract : Slippage lines were observed, occurring upon tension of thin single crystals, over the thickness of silver-chloride plates. In the initial stage of the process of plastic deformation, there appear many short parallel slippage lines. Upon gradual increase in load, these short segments become somewhat longer, thicker, and finally merge together, forming a wavy slippage line. It is proposed that the primary process in the formation of the wavy slippage

20968

S/058/61/000/004/014/042

A001/A101

24.7100

AUTHORS: Sun Jui-fan, Shakol'skaya, M.P.

TITLE: Investigation of slip dislocation mechanism in crystals

PERIODICAL: Referativnyy zhurnal. Fizika, no 4, 1961, 279, abstract 4E148 ("Acta phys. sinica", 1960, v 16, n 4, 229-240, Chinese, Rus. summary)

TEXT: Plastic deformation in crystals of sodium chloride type was studied. Double refraction fringes, observed in polarized light, were compared with the study of the surface relief of crystal side faces by the microinterferometer method. It was detected that shear values, in the slip process, are always unequal at two ends of the slip plane. On the basis of this phenomenon, distribution of dislocations at plastic deformations in the crystal was studied by the etching pattern method. Dislocation slip mechanism in crystals of the sodium chloride type was proved. The single-valued correlation between etching patterns and dislocations was shown by comparing differences of shear values in plastic deformed crystals of sodium chloride, corresponding to projection of the same fringe onto the side faces

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Investigation of slip dislocation mechanism in crystals S/058/61/000/004/014/042  
A001/A101

of the crystal. It was proved experimentally that dislocations of opposite signs were trapped in the slip zone, at a high temperature these dislocations are able to move toward each other and mutually annihilate.

[Abstracter's note: Complete translation.]

Card 2/2

SHAPIRO, ALEXANDER TRAKHTENOVICH.

Puteshestviya Po Kavkazu. (Journey Through the Caucasus)  
Moskva, Detgiz, 1951. 92 P. Illus.

So: 1n/5  
621.12  
.S5

KRUMAN, B.; SHAKOV, G., inzhener-ekonomist.

Improve the quality of joints for pump rods. Neftianik 1 no.8:  
13-15 Ag '56. (MIRA 9:11)

1. Master 3 promysla Neftepromyslovogo upravleniya Molotovneft'  
(for Kruman).

(Sucker rods)



14(5)

SOV/92-58-10-20/30

AUTHOR: Shakov, G.I., Engineer-economist

TITLE: Some News Concerning Operations of Oil Well Maintenance Crews (Novoye v trude brigad podzemnogo remonta skvazhin)

PERIODICAL: Neftyanik, 1958, Nr 10, pp 26-27 (USSR)

ABSTRACT: The staff conference of the Karadagneft' Petroleum Production Administration revealed some facts which clearly show that oil well maintenance crews made a good effort to improve the organization of their work and to **introduce** new techniques in oil well overhauling. From the standpoint of the organization of work, the measures taken at the second oilfield of the Karadagneft' Administration are of particular importance. While the preparatory operations preceding oil well overhauling were carried out in the past by a special crew **working** only as a day-time shift, its job is now performed by the oil well maintenance crew equipped with necessary tools including traveling blocks with hooks. Moreover, assignments are now recorded in the job register by the head of the first, second or third shift and not

Card 1/2

Some News Concerning Operations (Cont.,)

SOV/92-58-10-20/30

by the oil well maintenance foreman. Night shifts are formed from volunteers. As a result of this reorganization, the percentage of oil well overhauling operations completed ahead of time rose from 41.5 to 44.9, and the fulfilment of norms prescribed for oil well maintenance crews rose from 114 percent to 115.5 percent. Special registers with a daily record of the pay earned by each man of the maintenance crew are published and displayed every month. This contributes to the increase in the labor productivity of men engaged in oil well maintenance and overhauling. The organization of work at the second oilfield exploited by the above-mentioned administration will help to widen the scope of the application of new technical methods and modern equipment which is not yet utilized as much as desired.

ASSOCIATION: Tretiy promysel NPU Karadagneft' (The third oilfield of the Karadagneft' Petroleum Production Administration)

Card 2/2

SHAKOV, I. I.  
USSR/Medicine - Roentgenology

SHAKOV, I. I.

FD 213

Card 1/1

Author : Shakov, I. I., Docent

Title : Clinical-roentgenological diagnosis of partial turning of the stomach

Periodical : Vest. Rent. i Rad. 33-38, Mar/Apr 1954

Abstract : Partial turning of the stomach is a condition where the stomach is turned to such a degree that passage is not completely restricted and operation is not necessary. This condition can be detected only by X-ray examination. Partial turning of the stomach along the transverse axis occurs much more frequently than along the longitudinal axis. Intersection of the mucous linings is a good symptom of partial turning of the stomach. Seven references. Four photographs (X-rays). Tables; drawings.

Institution : Chair of Roentgenology, Azerbaydzhan Institute for Advanced Training of Physicians (Director - Professor Sh. M. Gasanov)

Submitted : Presented at the Inter-Republican Conference of Oncologists and Roentgenologists, Tbilis, 1951.

SHAKOV, I.I., dotsent; LUR'YE, A.M.

Roentgenologic diagnosis of aseptic nevrosis of the corpus vertebrae.  
Vest.rent. i rad. 31 no.3:67-70 My-Je '56. (MLRA 9:9)

1. Iz kafedry rentgenologii (zav. - dots. I.I.Shakov) Azerbaydzhan-  
skogo instituta usovershenstvovaniya vrachey (dir. M.I.Aliyev)  
(SPONDYLITIS,  
vertebra plana, x-ray diag. (Rus))

SHAKOV, I. I.

USSR / Human and Animal Physiology (Normal and Pathological). Blood. Blood Pressure. Hypertonia T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97606

Author : Shakov, I. I.

Inst : Azerbaydzhan State Institute of Advanced Medical Training

Title : On the Method of Roentgenologic Study of the Contractile Function of the Gall Bladder

Orig Pub: Sb. tr. Azerb. gos. in-ta usoversh. vrachey, 1957, vyp. 3, 183-186

Abstract: After intake of a contrast substance, the patient was given two egg yolks and, in a lying position, a series of roentgenograms (18 to 20) of the gall bladder were made over the period of one hour.

Card 1/2

SHAKOV, I.I., dotsent; POLATKHANOVA, K.B., assistant

Radiographic diagnosis of primary and chronic osteomyelitis.  
Azerb.med.zhur. no.8:21-27 Ag '59. (MIRA 12:11)  
(OSTEOMYELITIS) (DIAGNOSIS, RADIOSCOPIC)

KHALFEN, Sh.S., prof.; ERKOV, I.I.; SHTIVEL', Ye.A.; PAKUSINA, O.V.;  
FILIMONOVA, V.A. (Baku)

Pneumonia in influenza during the 1957 pandemic [with summary in  
English]. Terap. arkh. 31, no.1:77-82 Ja '59. (MIRA 12:2)

1. Iz infektsionnoy kliniki i kafedry rentgenologii Azerbaydzhanskogo  
instituta usovershenstvovaniya vrachey.

(INFLUENZA, compl.

pneumonia (Rus))

(PNEUMONIA, etiol. & pathogen.

influenza (Rus))

SHAKOV, I.I.

Tomography in some diseases of the lymph nodes of the mediastinum. Azerb.med.zhur. no.3:40-45 Nr '60. (MIRA 13:6)  
(LYMPHATICS--DISEASES) (MEDIASTINUM--RADIOGRAPHY)



SHAKOV, I.I.; NASIROV, A.M.

Clinical-roentgenological picture of prolapse of the mucous  
membranes of the antral part of the stomach into the duodenal  
bulb. Vop. onk. 6 no. 8:49-56 Ag '60. (MIRA 14:1)  
(STOMACH--DISEASES)

KHALFEN, Sh. S., prof.; SHAKOV, I. I., dotsent

So-called pseudopolyposis of the terminal segment of the large intestine. Khirurgiia 37 no.7:119-122 J1 '61.

(MIRA 15:4)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. Sh. S. Khalfen)  
i kafedry rentgenologii (zav. - dotsent I. I. Shakov) Azerbaydzhanskogo instituta usovershenstvovaniya vrachey.

(INTESTINES--TUMORS)

SHAKOV, I.I., dotsent: GANDBURG, Yu.I.

Urthral-venous reflux. Vesta. rent. i rad. 38 no.3:49-51  
My-Je '63. (M RA 17:7)

1. Iz kafedry rentgenologii i radiologii (zav. - dotsent I.I. Shakov) / iz kazdshanskogo instituta usovershenstvovaniya vrachey i iz rentgenovskogo otdeleniya bakinskoy gorodskoy klinicheskoy bol'nitsy No.1. imeni N.A. Semashko.

1. The following information is being provided:

2. The following information is being provided in regard to the status of certain  
3. The following information is being provided in regard to the status of certain

(SIRA 12:5)

4. The following information is being provided in regard to the status of certain  
5. The following information is being provided in regard to the status of certain  
6. The following information is being provided in regard to the status of certain  
7. The following information is being provided in regard to the status of certain  
8. The following information is being provided in regard to the status of certain

SHAKOV, I.I., dotsent; FOLATEKHANOVA, K.R., kand.med.nauk; BAYRAMALIEVLI, I.T.

X-ray picture of changes in the bones in leprosy. Vest.rent.i  
rad. 40 no.5:42-45 S-O '66. (MIRA 18:12)

3. Kafedra rentgenologii i meditsinskoy radiologii (zav. - dotsent  
I.I.Shakov) Azerbaydzhanskogo instituta usovershenstvovaniya  
vrachev imeni A.M.Aliyeva i Azerbaydzhanskiy respublikanskiy  
klinicheskiy leprozoriy, Baku.

SHAKOV, I.I., dotsent; SHTUSS, A.A., dotsent; ASLANOV, T.T., nauchnyy  
sotrudnik

X-ray diagnosis of pericardial cysts. Azerb. med. zhur. 42 no.  
10: 33-38 O '65 (MIRA 19:1)

1. Iz Instituta usovershenstvovaniya vrachey (rektor - kand.  
med. nauk B.M. Agayev) i Instituta rentgenologii, radiologii i  
onkologii Ministerstva zdavookhraneniya Azerbaydzhanskoy  
SSR (direktor - doktor med. nauk M.M. Alikishibekov). Submitted  
November 26, 1964.

TRIFEL', M.S.; SHAKOV, V.I.

Determination of the parameters of cathodic protection.  
Gaz.prom. 5 no.1:48-54 Ja '60. (MIRA 13:4)  
(Gas, Natural--Pipelines) (Corrosion and anticorrosives)

TRIFEL', M.S.; SHAKOV, V.I. .

Criterion for determining the corrosive action of soils. Gaz.  
prom. 6 no.4:32-36 '61. (MIRA 14:3)  
(Pipelines—Cathodic protection)



L 51428-65 EWT(m)/EPF(c)/EWG(v)/EWA(d)/EPR/EPA(w)-2/EWP(j)/EWP(t)/EWP(k)/  
EWP(b) Pc-4/Pab-10/Pe-5/Pr-4/Ps-4 IJP(c) JD/WW/WB/RM  
ACCESSION NR: AP5015500 UR/0286/65/000/008/0030/0030  
621.315.328

AUTHOR: Kogen, V. B.; Avanesyan, A. M.; Khanlarova, A. G.-k.; Trifel', M. S.;  
Mekhmandarov, S. A.-o.; Shakov, V. I.; Babayev, M. A.; Dayenzon, Ye. B.; Ioannisyan,  
S. A.

TITLE: Corrosion resistant steel-aluminum wire. Class 21, No. 170094

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 30

TOPIC TAGS: corrosion protection, aluminum, steel

ABSTRACT: This Author's Certificate introduces a corrosion resistant steel-aluminum wire containing a steel core covered with an insulating material laid over with a cable of aluminum wires. The operational characteristics are improved by using transparent plastic for the insulation material and soaking the entire wire in a solution which contains 95% cersin and 5% petrolatum.

ASSOCIATION: none

SUBMITTED: 10Dec62

ENCL: 00

SUB CODE: IE, MM

Card 1/2

L 64542-65 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) JD

ACCESSION NR: AP5018713

UR/0070/65/010/004/0466/0470

AUTHORS: Maksimov, S.K.; Shakov, Yu.A.

39

TITLE: Influence of the "size factor" in Suzuki atmospheres on the position and profile of an x-ray line in the face-centered cubic case

SOURCE: Kristallografiya, v. 10, no. 4, 1965, 466-470

TOPIC TAGS: alloy system, crystal imperfection, x ray crystallography, x ray spectrum, line splitting

ABSTRACT: The case is considered when in an alloy consisting of two types of atoms the difference in the mean atomic radii of the Suzuki atmospheres and the matrix is appreciable. It is found that for small concentrations of stacking faults the appearance of Suzuki atmospheres leads to a shift of the reflection depending on the stacking fault concentration and the difference of the mean

Card 1/2

L 64542-65

ACCESSION NR: AP5018713

2

atomic radii of the Suzuki atmospheres and the matrix. Lines whose components all have the same sum of Miller indices are only shifted, while lines whose components have different sums of indices are in addition split, the splitting showing up in the form of broadening or asymmetry. Information concerning the Suzuki atmospheres can be obtained from a comparison of the profiles and widths of the {200} and {111} lines. "The authors express their gratitude to A. G. Khachaturyan for valuable advice in carrying out this investigation." Orig. art. has: 10 formulas and 1 table.

ASSOCIATION: Moskovskiy institut stali (Moscow Institute for Steel)

SUBMITTED: 19Oct64

ENCL: 00

SUB CODE: OP, SS

NR REF SOV: 002

OTHER: 001

Card

*mpb*  
2/2

SHAKOV, Z.P.

Hydraulic compensators for stretching reinforcements. Suggested by Z.P.Shakov. Rats.i izobr.predl.v stroi. no.8: 55-57 '58. (MIRA 13:3)

1. Instruktor Byuro tekhnicheskoy pomoshchi Ministerstva stroitel'stva BSSR.  
(Reinforced concrete)

SUKACHEVA, M.F.; SHAKOVA, A.N.; ZAKHAROVA, M.G.

Stratigraphy and lithology of Paleogene sediments in the western  
Kopet-Dag. Trudy VSEGEI 46:229-253 '61. (MIRA 14:11)  
(Kopet-Dag--Paleontology, Stratigraphic)

SHAKOVA, M.F.

KIRILLOV, V.G.; SHAKOVA, M.F.

Vitamin preparations from black currants. Vop. pit. 13 no.6:35  
N=D '54. (MLRA 8:1)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo vitaminного instituta  
(VITAMINS, preparation of,  
from black currant berries)  
(FRUITS,  
black currant berries, prep. of vitamins from)

SHAKOVA, O.Yu., assistant.

Age characteristics of perioral muscles and their significance in the performance of the teeth and the jaws. Stomatologiya no.6:52-53 '53.  
(MLRA 7:1)

1. Iz kafedry normal'noy anatomii (zavednyushchiy - professor P.V.Balakirev) Leningradskogo meditsinskogo stomatologicheskogo instituta (direktor - professor R.I.Gavrilov).

(Mouth)

SHAKOVA, O.Yu.

Relation of strape of the palate to the peculiarities of mucous  
membrane innervation. Stomatologiya 35 no.1:55.Ja-F '56.

(MLBA 9:6)

1. Iz kafedry normal'noy anatomii (zaveduyushchiy professor  
I.S.Kudrin) Leningradskogo stomatologicheskogo instituta.

(PALATE)



L 60859-65 EEC-4/SJG(v)/EWT(1)/FBD GW/WS-4  
ACCESSION NR: AP5018071

UR/0020/65/163/001/0050/0053

AUTHOR: Kotel'nikov, V. A.; Aleksandrov, Yu. N.; Apraksin, L. V.;  
Dubrovin, V. M.; Kislik, M. D.; Kuznetsov, B. I.; Petrov, G. M.; Rzhiga, O. M.;  
Frantsesson, A. V.; Shakovskiy, A. M.

TITLE: Radar observations of Venus in the Soviet Union in 1964

SOURCE: AN SSSR. Doklady, v. 163, no. 1, 1965, 50-53

TOPIC TAGS: radio wave reflection, Venus radar observation, radio emission measurement, radar observation, radio astronomy

ABSTRACT: Radar observations of Venus at 40 cm were conducted between 11 and 30 June 1964 by the Institute of Radio Engineering and Electronics of the Academy of Sciences USSR. Frequency modulation and periodic linear frequency modulation of radiated signals were employed. Paramagnetic and parametric amplifiers were used at the receiver output. Signal analysis was performed by means of a 20-channel analyzer with a filter bandwidth of 1.2 cps for each channel. The reflected signal spectrum and measurements of the radial velocity of the motion of Venus were determined on the basis of the Doppler shift of the signal spectrum of the central frequency in relation to the radiation frequency. Frequency manipulation

Card 1/5

L 60859-65

ACCESSION NR: AP5018071

was effected with the radiating signal shaped as two alternating telegraphic pulse packets at two carrier frequencies differing either by 62.5 or by 2000 cps. At each frequency, pulse duration and the intervals between transmissions were 4.096 sec. Radio wave reflection from the Venusian surface and measurements of the distance to Venus were effected with linear frequency modulation. The results of the measurements of the distance to Venus and of the radial velocity of its motion are shown in Fig. 1 of Enclosure, with the vertical sections showing rms error values, which till 23 June did not exceed 15 km for 5 min of observation (at a deviation of 4 kc) and after 23 June did not exceed 2 km (at a deviation of 32 kc). Measurement error for velocity did not exceed 2.5 cm/sec. Signal propagation time was calculated with an accuracy of  $\pm 5$  usec, and Doppler frequency, with an accuracy of  $\pm 0.05$  cps. The total rms error value for the initial data was  $\pm 400$  km. The energy distribution of signals reflected from Venus depending on distance  $\Delta R$  is shown in Fig. 2. The following conclusions are drawn: 1) The width of the Doppler spectrum of the reflected signal caused by the rotation of Venus does not exceed 15 cps. 2) The Venusian reflection factor averages 19%. 3) The energy in the central band of 1 cps is approximately one half of the energy of the whole spectrum. 4) The orientation of the Venusian axis of rotation is practically perpendicular to the orbital plane. Orig. art. has: 4 figures. [DW]

Card 2/5

L 60859-65

ACCESSION NR: AP5018071

ASSOCIATION: Institut radiotekhniki i radioelektroniki Akademii nauk SSSR (In-  
stitute of Radio Engineering and Electronics, Academy of Sciences SSSR)

SUBMITTED: 12Apr65

ENCL: 02

SUB CODE: DC ,AA

NO REF SOV: 003

OTHER: 000

ATD PRESS: 4063

Card 3/5

L 60859-65

ACCESSION NR: AP5018071

ENCLOSURE: 01

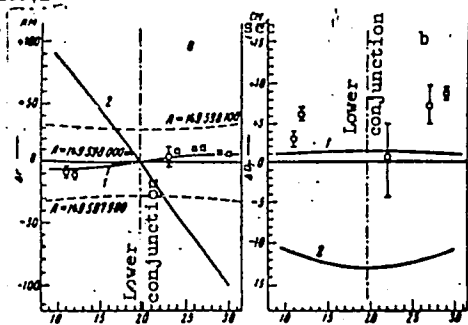


Fig. 1. (a) Variation in the relative calculated value of the distance to Venus and (b) the radial velocity of Venusian motion

$\Delta r$  - Difference between the measured and calculated distance from the measuring point to the closest point on the surface of Venus;  $\Delta v_r$  - difference between the measured and calculated radial velocity of Venusian reflection center in relation to the measuring point.

Card 45

L 60859-65

ACCESSION NR: AP5018071

ENCLOSURE: 02

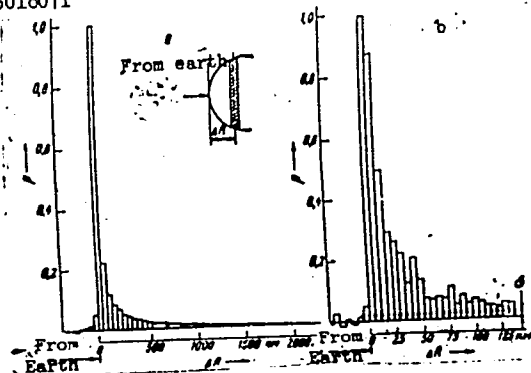


Fig. 2. Energy range distribution of signals reflected from Venus obtained by linear frequency modulation (a) with a deviation of 4 kc ( $\sigma = 0.0025$  for narrow filters and  $\sigma = 0.0014$  for wide filters) and (b) with a deviation of 32 kc

Card 5/5 <sup>470</sup>

KOLAKOVSKIY, A.A.; SHAKRYL, A.K.

New plant of the laurel family in the Pliocene flora of Duab.  
Soob. AN Gruz. SSR 21 no.1:63-68 J1 '58. (MIRA 11:10)

1. AN GruzSSR, Sukhumskiy botanicheskiy sad. 2. Chlen-korrespondent  
Akademii (for Kolakovskiy).  
(Duab (Georgia)--Laurel, Fossil)

SHAKRYL, A.K.

Variability in the epidermis of leaves of the camphor tree. Soob.  
AN Gruz. SSR 24 no. 1:73-76 Ja '60. (MIRA 14:5)

1. Akademiya nauk Gruzinskoy SSR, Sukhumskiy botanicheskiy sad.  
Predstavleno chlenom-korrespondentom Akademii A.A. Kolakovskim.  
(Camphor tree) (Leaves)

SHAKS, I.A.

Comparative study of the bacterial variation of different types  
and ages of petroleums under aerobic and anaerobic oxidation con-  
ditions according to infrared absorption spectra. Trudy VNIIRI  
no.227 Geokhim.sbor. no.9:71-79 '64.

(MIRA 18:1)



KALINKO, H.K.; SHAKS, I.A.

Discussion on the methods of studying oils, gases, and organic  
matter in rocks. Sov. geol. 7 no.10:163-165 0 '64. (MIRA 17:11)

SAVKEVICH, S.S.; SHAFS, I.A.

Infrared absorption spectra of Baltic amber (succinite).  
Zhur. prikl. khim. 37 no. 4:930-931 Ap '64. (MIRA 17:5)

SAVKEVICH, S.S.; SHAKS, I.A.

Infrared absorption spectra of Baltic amber. Zhur.prik'.  
khim. 37 no. 5:1120-1122 My '64. (MIRA 17:7)

SAVKEVICH, S.S.; SHAKS, I.A.

Infrared absorption spectra of Baltic amber. Zhur. prikl. khim.  
37 no.12:2755-2757 D '64. (MIRA 18:3)

ACC NR: AP7001425

(A)

SOURCE CODE: UR/0413/66/000/021/0141/0141

INVENTORS: Filippov, B. M.; Shaks, S. R.; Levykina, I. D.

ORG: none

TITLE: A device for checking the hermetic seal of hollow products. Class 21, No. 188095 [announced by Special Construction Engineering Bureau No. 6 (Spetsial'noye konstruktorskotekhnologicheskoye byuro No. 6)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 141

TOPIC TAGS: hermetic seal, mechanical motion instrument, automatic pneumatic control, automatic machine, automation

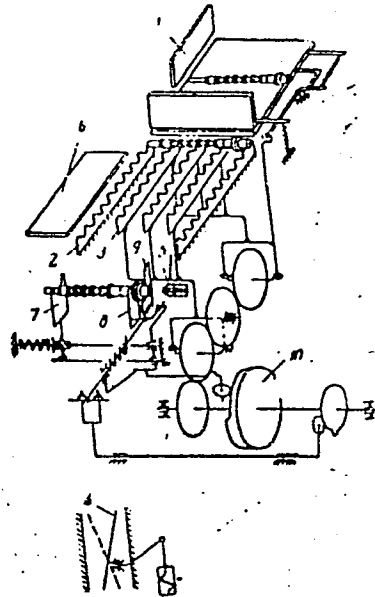
ABSTRACT: This Author Certificate presents a device for checking the hermetic seal of hollow products. The device contains a feeder, a carrying mechanism for the products, a mechanism for placing the products in a position for checking, an apparatus for sorting the checked products, and a gauging pneumatic assembly which activates the sorting mechanism. To mechanize the process of checking for the hermetic seal, the carrying mechanism is made in the form of combs surmounted by a rigid plate. A part of the combs serves to deliver the products (see Fig. 1). The mechanism for placing the products in a position for checking contains a spring-loaded carriage with two compressing holders. The carriage is pushed by the drive mechanism until it coincides with the connecting pipe of the pneumatic assembly.

Card 1/2

UDC: 686.863.6:621-186.3

ACC NR:AP7001425

Fig. 1. 1 - feeder; 2 and 3 - combs for transporting the products; 4 - mechanism for sorting the products; 5 - connecting pipe of the pneumatic assembly; 6 - rigid plate; 7 - spring-loaded carriage; 8 and 9 - compressing holders; 10 - knuckle of carriage drive mechanism



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 15Apr65

Card 2/2

1. SHAKSEL', YE. G.
2. USSR (600)
4. Strawberries
7. Everbearing strawberry.  
Biul. Glav. bot. sada No. 13, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. SHAKSEI', E. G.
2. USSR (600)
4. Strawberries
7. Spring care of strawberry plants, Priroda, 42, No. 5, 1953.

9. Monthly List of Russian Accessions. Library of Congress, April, 1953, Uncl.



SHAKSEL', E.G.

Strawberry. Priroda 42 no.9:106-108 S '53.

(MLda 6:8)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.

(Strawberries)

MINOVA, L.

"Strawberry cultivation in the spring. Tr. from the Russian (p.107) PRINODA  
(Bulgaraska Akademia Na Naukite) Sofiya Vol 3 No 1 Jan/Feb 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

*SHAKSEL, E.G.*

KELLI, A.Ch.; SHAKSEL', E.G.

Use of fruit and berry plants in landscape gardening. Biul.Glav.  
bot. sada no.17:39-42 '54. (MLRA 8:3)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.  
(Landscape gardening) (Fruit) (Berries)

SHAKSEL', E. G.

USER/ Biology - Botany

Card 1/1 Pub. 86-39/42

Authors : Shaksel', E. G. (Main Bot. Garden of the Acad. of Sc., USSR)

Title : Actinidia

Periodical : Priroda 45/1, page 125, Jan 56

Abstract : Twenty-seven species of the vines of the genus actinidia are noted of which four are found to be in cultivation. The latin names of these are given, they are described and directions are given for their cultivation.

Institution : .....

Submitted : .....

Shaksel, Yu. Yu.

"Regularity of the general growth of birds as related to some external and internal factors." (p. 283) Laboratory of the Mechanics of Development (Chief: Yu. Yu Shaksel), USSR Academy of Sciences; and Department of Endocrine Factors of Development (Chief: regular member V. F. Larinov), Institute of Experimental Morphology, Moscow, by Shtraykh, G. and Svetozarov, E.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 2

SHAKSEL, PROF. YU. YU.

"Experimental Analysis Of The Sexual And Seasonal Dimorphism Of The Feathers Of Ducks. Department Of Endocrine Factors Of Growth (Chief: V. F. Larionov), Institute Of Experimental Morphology, Moscow State University; and The Laboratory Of The Mechanics Of Growth (Chief: Prof. Yu. Yu. Shaksel), USSR Academy Of Sciences." (p. 325) by Svetozarov, E. and Shtraykh, G.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII, 1938, No. 2

1. The first

2. The second

3. The third

USSR / Human and Animal Morphology (Normal and Patho- S-5  
logical). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79149.

Author : Shakul', V. A.

Inst : Not given.

Title : Results of a Histological Investigation of the  
Umbilical Ring and the Umbilical Vessels of the  
Newborn.

Orig Pub: Sb. nauchn. rabot Kafedry sudebn. med. lenigr.  
gos. in-t usoversh. vrachey, 1957, vyp 10,  
147-156.

Abstract: On the basis of an investigation of 60 corpses  
of neonates who died before birth, during birth  
and in the course of 30 hours of postnatal life,  
the author considers that the confirmation of  
live births, and for the period of life after

Card 1/2



SHARUL', V.A., Cand Med Sci -- (diss) "Diagnostical significance  
of studies of the umbilical ring and umbilical vessels in  
infants." Len, 1958, 17 pp (Len State Order of Lenin  
Inst for the Advanced Training of Physicians im S.M. Kirov)  
250 copies (KL, h2-58, 118)

- 71 -

SHAKULIA, Anatoliy Alekseyevich, polkovnik; GOLUNOV, A.V., polkovnik, red.;  
VOLKOVA, V.Ye., tekhn. red.

[What constitutes the strength of the Soviet Army] V chem sila  
Sovetskoi Armii. Moskva, Voen. izd-vo M-va obor. SSSR, 1958.  
72 p. (MIRA 11:9)

(Russia—Army)

SHAKULA, N.M., inzh.; KOZIN, I.S., inzh.

Radio signaling system for inclined man-hoisting. Ugol' Ukr.  
(MIRA 14:4)  
'5 no.4:36 Ap '61.  
(Radio in mining) (Mine communications)

SHAKULA, N. M., inzh.

Device for stopping the stope conveyer. Ugol' Ukr. 6 no.10:35  
0 '62. (MIRA 15:10)

(Coal mining machinery)